

profesional
microscopes
ZUZI
series 122



profesional microscopes 122

Zuzi professional microscopes series 122 present high features and ergonomics for the daily lab work at a really interesting price; these features together with the versatility that give the different available accessories, turn series 122 into the equipments of choice for research, hospital or university laboratories among other fields of use.

Series 122 of Zuzi microscopes is divided into equipments with:

- Universal infinity corrected plan achromatic optics for those purposes that require a higher and more precise image quality (models 122/147 and 122/148)
- Standard achromatic optics for routine applications (models 122/107 and 122/108)



profesional micros-
copes series 122:
ergonomics



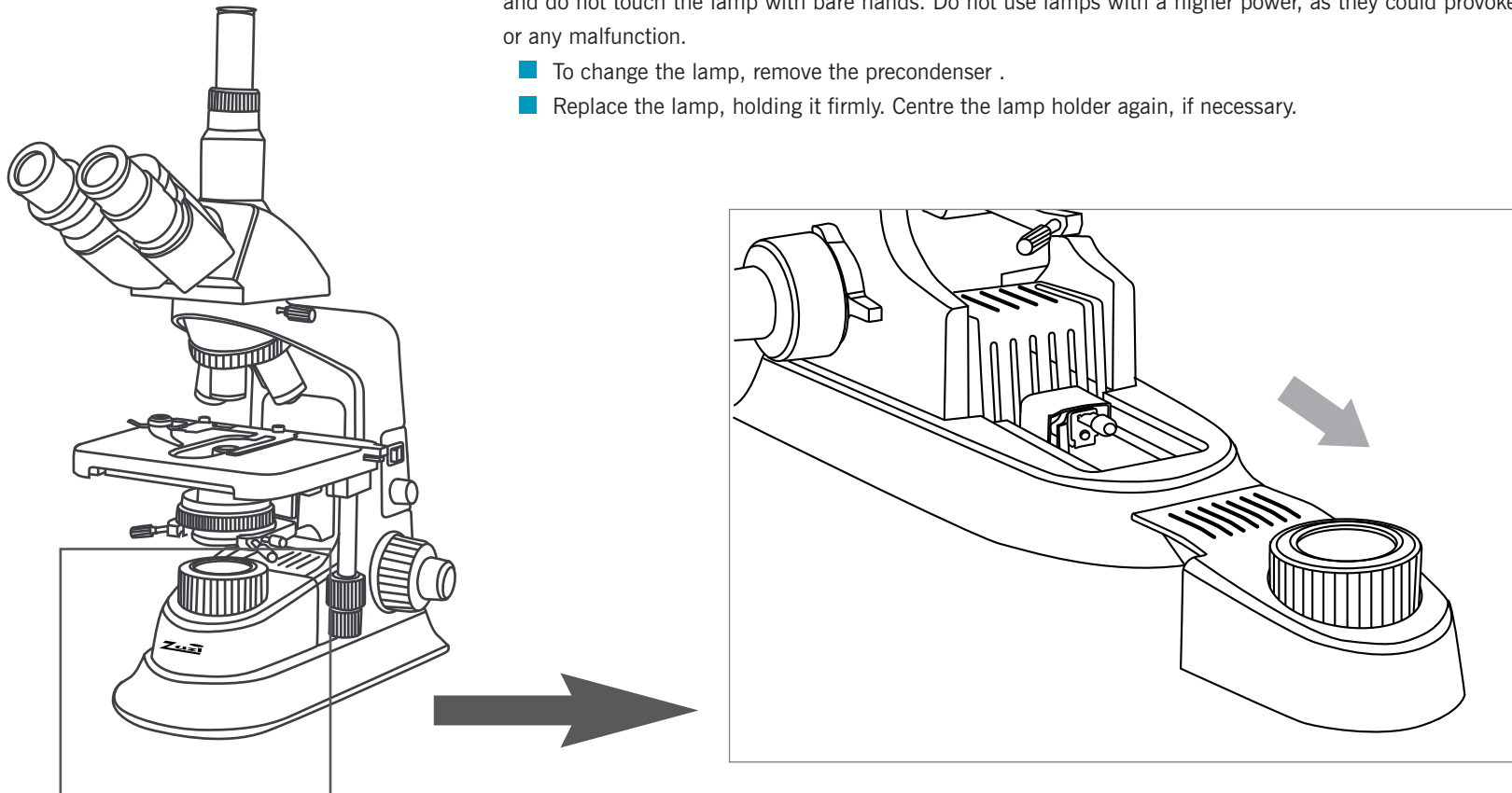
Robust and stable equipments provided with a group of features to make work easier and minimize fatigue after long periods of observation:

- Siedentopf-type binocular head, rotary in 360° and 30° inclined to adapt to the natural position of the head and avoid uncomfortable and tiring postures.
- Dioptre correction mechanism in left eyepiece holder, and interpupillar adjustment (55-75 mm) by free mechanism to adapt to any user, turning this microscope into an ideal instrument for laboratories with several researchers and users.
- Quadruple nosepiece inclined backwards leaving more space for the user. This way, placing and changing objectives is easier and the user can change slides or mark regions of interest on the sample without problems.
- Coaxial knobs to move around the stage at a lower and easy to access position, thus allowing keeping the arm always on the table and avoiding fatigue and uncomfortable postures.
- Replacing the lamp is also easy and trouble-free; simply detach the field diaphragm unit to gain access to the lamp compartment and replace without difficulty.

profesional microscopes series 122 changing the lamp

Replacing the lamp is also easy and trouble-free; simply detach the field diaphragm unit to gain access to the lamp compartment and replace without difficulty.

- In case the lamp blows up, replace it for another one, making sure it is a 20 W Zuzi original one. Please take care and do not touch the lamp with bare hands. Do not use lamps with a higher power, as they could provoke over heating or any malfunction.
- To change the lamp, remove the precondenser .
- Replace the lamp, holding it firmly. Centre the lamp holder again, if necessary.



microscopes series 122 high technical features

[01] Coaxial knobs at both sides of the stative for coarse and fine focusing adjustment. The knobs are provided with a friction control ring and with a focusing upper limit blocking lever to avoid the slide to accidentally hit the objectives; the fine adjustment knobs are also graduated.

[02] Wide mechanical stage (180x150 mm) that can be moved around 75(X) x 50(Y) mm and presents scales along both axes for an easier localization of structures of interest.

[03] Stage provided with a clamp that can hold up to two standard size slides at the same time, being ideal to observe and compare serial sections without the need of changing constantly the slide.

[04] Köhler illumination system for a higher control of illumination thanks to the presence of graduated diaphragms on both the precondenser and the condenser.

[05] Mechanism of centring the condenser more simple and precise allowing obtaining clear, sharp and bright images.

[1] Coaxial knobs for coarse and fine focusing adjustment



[2] Mechanical stage



[3] Clamp that can hold up to two standard size slides at the same time



[4] Köhler illumination system



[5] Mechanism of centring the condenser



1
Dioptre correction mechanism in left eyepiece holder, and interpupillar adjustment (55-75 mm) by free mechanism

2
Quadruple nosepiece inclined backwards leaving more space for the user

2
Siedentopf-type binocular head, rotary in 360° and 30° inclined to adapt to the natural position

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6
Stage provided with a clamp that can hold up to two standard size slides at the same time

3
Coaxial knobs to move around the stage at a lower and easy to access position

5
Köhler illumination system for a higher control of illumination

4
Coaxial knobs at both sides of the stative for coarse and fine focusing adjustment



professional microscope series 122:
technical specifications

professional microscopes 122

	122/107	122/108	122/147	122/148
Optics				
	Universal infinity corrected		•	•
	Standard	•	•	
Head				
	Binocular	•	•	
	Trinocular		•	•
Eyepieces				
	WF/10X (18 mm)	•	•	
	WF/10X (20 mm)		•	•
	WF/16X (11 mm)	•	•	
Eyepiece diameter				
	23 mm	•	•	
	30 mm		•	•
Objectives				
	Achromatic (antifungal)	•	•	
	Plan achromatic (antifungal)		•	•
Nosepiece				
	Quadruple			
	4X A.N.: 0.10	•	•	•
	10X A.N.: 0.25	•	•	•
	40X A.N.: 0.65	•	•	•
	100X (R) (I) A.N.: 1.25	•	•	•
Stage	Double layer mechanical stage, 180x150 mm Simple movement 75(X) x 50(Y) mm Clamp to hold samples			
Illumination system				
	Type	Köhler		
	Condenser	Abbe (N.A. 1.25) with aperture diaphragm and filter holder		
	Precondenser	With field diaphragm		
	Lamp	Halogen low tension (20 W)	Diode LED (5V, 5W)	Diode LED (5V, 5W)
				Halogen low tension (20 W)

profesional microscopes series 122 accessories

[01] Phase contrast sets

Code	90122122
Type	Turret
For models	122/147 y 122/148
Includes	Plan achromatic phase contrast objectives: 4x, 10x, 40x, 100x Centring eyepiece



Code	90122022
Type	Simple
For models	122/107 y 122/108
Includes	Achromatic phase contrast objectives: 10x, 40x, 100x Centring eyepiece



profesional microscopes series 122 accessories

[02] Dark field condensers

Code	90122024	90122026
Type	Dry	Immersion
Numerical aperture	0.90	1.25



Code: 90122024

Code: 90122026

[03] Simple polarizing set

Code	90122430
Composed of	Filter 18 mm (for head) Filter 55 mm (for precondenser)



[04] Eyepiece video cameras

Code	Resolution	Output
59140052	350 Kp	Video composite
59140060	350 Kp	USB 2.0
59150060	1.3 Mp	USB 2.0
59150063	3 Mp	USB 2.0
59150065	5 Mp	USB 2.0
59150068	8 Mp	USB 2.0



Code: 5915006x

Code: 59140052